

Medway

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.57	10	180	Male	3.90	5	128
Female	2.03	2	NC*	Female	3.00	3	NC*
Total	7.60	12	158	Total	6.90	8	116
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.13	0	NC*	Male	1.09	0	NC*
Female	1.60	3	NC*	Female	0.94	0	NC*
Total	3.73	3	NC*	Total	2.03	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.37	1	NC*	Male	4.87	8	164
Female	37.25	40	107	Female	3.99	9	226 #+
Total	37.62	41	109	Total	8.86	17	192 #+
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.45	1	NC*	Male	4.11	2	NC*
				Female	1.77	3	NC*
				Total	5.88	5	85
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.10	15	106	Female	4.45	4	NC*
Female	12.57	8	64				
Total	26.66	23	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.20	1	NC*	Male	2.31	3	NC*
Female	0.64	0	NC*	Female	2.21	1	NC*
Total	2.84	1	NC*	Total	4.52	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.06	3	NC*	Male	35.33	38	108
Female	0.84	0	NC*				
Total	1.90	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.58	2	NC*	Male	2.41	3	NC*
Female	2.08	3	NC*	Female	1.37	0	NC*
Total	5.66	5	88	Total	3.77	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.08	2	NC*	Male	1.62	4	NC*
Female	0.54	0	NC*				
Total	2.62	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.69	3	NC*	Male	0.85	2	NC*
Female	2.05	2	NC*	Female	2.24	1	NC*
Total	4.74	5	105	Total	3.10	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.31	0	NC*	Female	7.08	5	71
Female	0.48	0	NC*				
Total	1.79	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	18.62	19	102	Male	118.28	134	113
Female	13.96	11	79	Female	111.30	106	95
Total	32.58	30	92	Total	229.59	240	105

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Melrose

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	18.92	8	42 ~-	Male	11.14	14	126
Female	8.60	8	93	Female	9.43	12	127
Total	27.52	16	58 #-	Total	20.58	26	126
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.56	5	90	Male	3.47	4	NC*
Female	4.92	8	163	Female	3.61	1	NC*
Total	10.49	13	124	Total	7.08	5	71
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.18	0	NC*	Male	14.18	10	71
Female	122.14	127	104	Female	14.81	15	101
Total	123.32	127	103	Total	28.99	25	86
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	6.84	7	102	Male	11.38	11	97
				Female	6.23	8	129
				Total	17.60	19	108
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	47.08	44	93	Female	14.15	16	113
Female	54.02	60	111				
Total	101.10	104	103				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	6.60	2	NC*	Male	7.32	9	123
Female	2.81	5	178	Female	9.31	9	97
Total	9.40	7	74	Total	16.63	18	108
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.51	2	NC*	Male	110.06	149	135 ^+
Female	2.24	1	NC*				
Total	4.75	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	10.36	13	125	Male	7.94	10	126
Female	7.37	8	109	Female	5.87	2	NC*
Total	17.73	21	118	Total	13.81	12	87
<u>Larynx</u>				<u>Testis</u>			
Male	5.96	6	101	Male	3.67	10	272 ~+
Female	1.76	0	NC*				
Total	7.72	6	78				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	7.72	12	155
Female	6.93	6	87
Total	14.65	18	123

Liver and Intrahepatic Bile Ducts

Male	3.84	4	NC*
Female	1.92	3	NC*
Total	5.76	7	122

Lung and Bronchus

Male	58.36	42	72 #-
Female	51.06	39	76
Total	109.42	81	74 ~-

Male	2.10	7	333 #+
Female	5.98	9	150
Total	8.09	16	198 #+

Uteri, Corpus and Uterus, NOS

Female	23.41	21	90
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All Sites / Types

Male	364.26	380	104
Female	393.53	385	98
Total	757.79	765	101

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Mendon

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	2.50	4	NC*
Female	0.87	2	NC*
Total	3.37	6	178

Brain and Other Central Nervous System

Male	0.95	1	NC*
Female	0.70	0	NC*
Total	1.65	1	NC*

Breast

Male	0.17	1	NC*
Female	16.49	21	127
Total	16.66	22	132

Cervix Uteri

Female	1.08	0	NC*
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Colon / Rectum

Male	6.30	9	143
Female	5.43	5	92
Total	11.73	14	119

Esophagus

Male	1.00	0	NC*
Female	0.28	0	NC*
Total	1.28	0	NC*

Hodgkin's Disease

Male	0.47	0	NC*
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	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	1.78	0	NC*
Female	1.32	0	NC*
Total	3.09	0	NC*

Multiple Myeloma

Male	0.49	0	NC*
Female	0.42	2	NC*
Total	0.91	2	NC*

Non-Hodgkin's Lymphoma

Male	2.20	2	NC*
Female	1.75	2	NC*
Total	3.95	4	NC*

Oral Cavity and Pharynx

Male	1.90	1	NC*
Female	0.78	0	NC*
Total	2.67	1	NC*

Ovary

Female	1.97	4	NC*
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Pancreas

Male	1.04	2	NC*
Female	0.95	1	NC*
Total	1.99	3	NC*

Prostate

Male	15.79	8	51 #-
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Female	0.36	2	NC*				
Total	0.83	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.63	0	NC*	Male	1.09	0	NC*
Female	0.91	0	NC*	Female	0.59	1	NC*
Total	2.54	0	NC*	Total	1.67	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.95	1	NC*	Male	0.71	0	NC*
Female	0.24	1	NC*				
Total	1.19	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.20	0	NC*	Male	0.39	1	NC*
Female	0.88	0	NC*	Female	0.98	2	NC*
Total	2.07	0	NC*	Total	1.37	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.59	0	NC*				
Female	0.21	2	NC*	Female	3.15	4	NC*
Total	0.80	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	8.35	8	96	Male	53.13	38	72 #-
Female	6.22	6	96	Female	48.89	59	121
Total	14.57	14	96	Total	102.02	97	95

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Merrimac

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.39	5	148	Male	2.25	0	NC*
Female	1.28	0	NC*	Female	1.75	2	NC*
Total	4.67	5	107	Total	3.99	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.19	0	NC*	Male	0.65	2	NC*
Female	0.93	2	NC*	Female	0.59	1	NC*
Total	2.12	2	NC*	Total	1.24	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.22	0	NC*	Male	2.81	1	NC*
Female	22.23	16	72	Female	2.45	2	NC*
Total	22.45	16	71	Total	5.26	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.36	2	NC*
Female	1.38	0	NC*	Female	1.07	0	NC*

				Total	3.43	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	8.52	9	106				
Female	8.00	10	125	Female	2.63	7	267 #+
Total	16.52	19	115				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.29	0	NC*	Male	1.37	1	NC*
Female	0.41	1	NC*	Female	1.40	2	NC*
Total	1.70	1	NC*	Total	2.77	3	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.57	1	NC*	Male	20.88	18	86
Female	0.46	1	NC*				
Total	1.03	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.08	4	NC*	Male	1.45	2	NC*
Female	1.27	2	NC*	Female	0.86	0	NC*
Total	3.34	6	180	Total	2.31	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.21	2	NC*	Male	0.85	2	NC*
Female	0.32	0	NC*				
Total	1.53	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.54	1	NC*	Male	0.47	1	NC*
Female	1.20	1	NC*	Female	1.25	1	NC*
Total	2.74	2	NC*	Total	1.71	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.76	2	NC*				
Female	0.30	0	NC*	Female	4.26	7	164
Total	1.06	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	11.03	9	82	Male	69.63	65	93
Female	8.70	13	149	Female	67.49	72	107
Total	19.73	22	112	Total	137.12	137	100

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Methuen

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	27.86	30	108	Male	16.67	9	54
Female	12.08	8	66	Female	13.54	12	89
Total	39.94	38	95	Total	30.21	21	70

Brain and Other Central Nervous System

Male	8.62	10	116
Female	7.30	10	137
Total	15.93	20	126

Breast

Male	1.74	3	NC*
Female	175.25	175	100
Total	176.99	178	101

Cervix Uteri

Female	9.90	12	121
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Colon / Rectum

Male	69.62	84	121
Female	76.12	62	81
Total	145.74	146	100

Esophagus

Male	9.73	15	154
Female	3.93	5	127
Total	13.66	20	146

Hodgkin's Disease

Male	4.02	7	174
Female	3.35	3	NC*
Total	7.36	10	136

Kidney and Renal Pelvis

Male	15.53	17	109
Female	10.65	14	131
Total	26.18	31	118

Larynx

Male	8.83	11	125
Female	2.56	6	234
Total	11.39	17	149

Leukemia

Male	11.85	10	84
Female	10.06	11	109
Total	21.91	21	96

Liver and Intrahepatic Bile Ducts

Male	5.72	2	NC*
Female	2.74	1	NC*
Total	8.46	3	NC*

Lung and Bronchus

Male	86.93	85	98
Female	74.20	70	94
Total	161.13	155	96

Multiple Myeloma

Male	5.17	7	135
Female	5.17	5	97
Total	10.34	12	116

Non-Hodgkin's Lymphoma

Male	21.32	23	108
Female	21.29	32	150 #+
Total	42.61	55	129

Oral Cavity and Pharynx

Male	16.89	10	59
Female	8.89	6	68
Total	25.78	16	62

Ovary

Female	20.40	17	83
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Pancreas

Male	10.75	5	47
Female	13.12	12	91
Total	23.87	17	71

Prostate

Male	163.45	197	121 #+
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Stomach

Male	11.65	21	180 #+
Female	8.20	10	122
Total	19.85	31	156 #+

Testis

Male	5.96	4	NC*
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Thyroid

Male	3.22	2	NC*
Female	8.75	10	114
Total	11.97	12	100

Uteri, Corpus and Uterus, NOS

Female	33.73	41	122
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All Sites / Types

Male	542.99	579	107
Female	563.86	560	99
Total	1106.85	1139	103

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Middleborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.59	11	115	Male	6.64	3	NC*
Female	3.95	3	NC*	Female	5.45	5	92
Total	13.54	14	103	Total	12.10	8	66
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.61	4	NC*	Male	1.86	2	NC*
Female	2.88	2	NC*	Female	1.77	1	NC*
Total	6.49	6	92	Total	3.62	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.64	0	NC*	Male	8.35	10	120
Female	66.76	59	88	Female	7.51	8	106
Total	67.40	59	88	Total	15.86	18	113
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.37	5	114	Male	6.92	4	NC*
				Female	3.23	1	NC*
				Total	10.15	5	49
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	24.12	20	83	Female	7.95	5	63
Female	24.77	26	105				
Total	48.90	46	94				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.69	5	135	Male	3.92	9	230 #+
Female	1.26	1	NC*	Female	4.26	6	141
Total	4.96	6	121	Total	8.18	15	183 #+
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.84	2	NC*	Male	58.90	65	110
Female	1.54	1	NC*				
Total	3.38	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.04	8	132	Male	4.15	3	NC*
Female	3.78	3	NC*	Female	2.71	3	NC*
Total	9.82	11	112	Total	6.85	6	88
<u>Larynx</u>				<u>Testis</u>			
Male	3.48	5	144	Male	2.83	5	177
Female	0.93	1	NC*				
Total	4.41	6	136				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.60	8	174	Male	1.45	6	412 ~+
Female	3.79	4	NC*	Female	4.03	4	NC*
Total	8.39	12	143	Total	5.49	10	182
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.21	1	NC*	Female	12.56	8	64
Female	0.91	1	NC*				
Total	3.12	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	31.33	44	140 #+
Female	25.46	17	67
Total	56.79	61	107

Male	200.10	229	114 #+
Female	204.79	174	85 #-
Total	404.89	403	100

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Middlefield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.27	0	NC*	Male	0.18	0	NC*
Female	0.08	0	NC*	Female	0.11	0	NC*
Total	0.35	0	NC*	Total	0.30	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.09	0	NC*	Male	0.05	0	NC*
Female	0.06	0	NC*	Female	0.04	0	NC*
Total	0.16	0	NC*	Total	0.09	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.02	0	NC*	Male	0.23	0	NC*
Female	1.49	0	NC*	Female	0.16	1	NC*
Total	1.51	0	NC*	Total	0.39	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.09	0	NC*	Male	0.19	0	NC*
				Female	0.07	0	NC*
				Total	0.26	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	0.66	0	NC*	Female	0.18	0	NC*
Female	0.51	0	NC*				
Total	1.17	0	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.10	0	NC*	Male	0.11	0	NC*
Female	0.03	0	NC*	Female	0.09	0	NC*
Total	0.13	0	NC*	Total	0.20	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.05	0	NC*	Male	1.58	2	NC*
Female	0.03	0	NC*				
Total	0.08	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.16	0	NC*	Male	0.12	0	NC*
Female	0.09	0	NC*	Female	0.05	0	NC*
Total	0.25	0	NC*	Total	0.17	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.10	0	NC*	Male	0.07	0	NC*

Female	0.02	0	NC*
Total	0.12	0	NC*

Leukemia

Male	0.12	0	NC*
Female	0.08	0	NC*
Total	0.20	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.06	0	NC*
Female	0.02	0	NC*
Total	0.08	0	NC*

Lung and Bronchus

Male	0.84	0	NC*
Female	0.60	0	NC*
Total	1.44	0	NC*

Thyroid

Male	0.04	0	NC*
Female	0.08	1	NC*
Total	0.12	1	NC*

Uteri, Corpus and Uterus, NOS

Female	0.29	0	NC*
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All Sites / Types

Male	5.42	2	NC*
Female	4.48	2	NC*
Total	9.89	4	NC*

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

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indicates statistical significance at the $p \leq 0.05$ level

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Middleton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.82	9	236 #+	Male	2.43	3	NC*
Female	1.24	0	NC*	Female	1.72	0	NC*
Total	5.06	9	178	Total	4.15	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.25	2	NC*	Male	0.73	0	NC*
Female	0.92	2	NC*	Female	0.58	0	NC*
Total	2.18	4	NC*	Total	1.31	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.25	0	NC*	Male	3.05	1	NC*
Female	22.13	22	99	Female	2.41	1	NC*
Total	22.38	22	98	Total	5.46	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.37	1	NC*	Male	2.53	4	NC*
				Female	1.06	2	NC*
				Total	3.59	6	167
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	9.56	9	94	Female	2.61	4	NC*
Female	7.77	5	64				
Total	17.34	14	81				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.41	0	NC*	Male	1.52	1	NC*
Female	0.40	0	NC*	Female	1.36	2	NC*

Total	1.80	0	NC*
<u>Hodgkin's Disease</u>			
Male	0.58	4	NC*
Female	0.45	0	NC*
Total	1.03	4	NC*

<u>Kidney and Renal Pelvis</u>			
Male	2.26	0	NC*
Female	1.26	1	NC*
Total	3.52	1	NC*

<u>Larynx</u>			
Male	1.30	2	NC*
Female	0.33	0	NC*
Total	1.63	2	NC*

<u>Leukemia</u>			
Male	1.67	3	NC*
Female	1.17	0	NC*
Total	2.83	3	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.83	0	NC*
Female	0.29	0	NC*
Total	1.12	0	NC*

<u>Lung and Bronchus</u>			
Male	12.22	12	98
Female	8.74	7	80
Total	20.96	19	91

Total	2.88	3	NC*
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<u>Prostate</u>			
Male	23.04	14	61

<u>Stomach</u>			
Male	1.62	0	NC*
Female	0.83	0	NC*
Total	2.45	0	NC*

<u>Testis</u>			
Male	0.86	1	NC*

<u>Thyroid</u>			
Male	0.49	1	NC*
Female	1.23	2	NC*
Total	1.71	3	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	4.27	7	164

<u>All Sites / Types</u>			
Male	76.62	81	106
Female	66.77	59	88
Total	143.39	140	98

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Milford

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	14.86	16	108
Female	6.16	11	179
Total	21.02	27	128

<u>Brain and Other Central Nervous System</u>			
Male	4.84	4	NC*
Female	4.01	4	NC*
Total	8.85	8	90

<u>Breast</u>			
Male	0.94	1	NC*
Female	94.76	95	100
Total	95.71	96	100

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	9.27	9	97
Female	7.48	11	147
Total	16.75	20	119

<u>Multiple Myeloma</u>			
Male	2.78	3	NC*
Female	2.69	4	NC*
Total	5.46	7	128

<u>Non-Hodgkin's Lymphoma</u>			
Male	11.80	13	110
Female	11.23	15	134
Total	23.03	28	122

Cervix Uteri

Female	5.71	1	NC*
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Colon / Rectum

Male	37.21	40	107
Female	38.77	47	121
Total	75.98	87	114

Esophagus

Male	5.32	4	NC*
Female	1.99	0	NC*
Total	7.32	4	NC*

Hodgkin's Disease

Male	2.35	1	NC*
Female	1.97	3	NC*
Total	4.32	4	NC*

Kidney and Renal Pelvis

Male	8.53	11	129
Female	5.64	3	NC*
Total	14.16	14	99

Larynx

Male	4.88	5	102
Female	1.37	1	NC*
Total	6.25	6	96

Leukemia

Male	6.48	8	123
Female	5.37	4	NC*
Total	11.85	12	101

Liver and Intrahepatic Bile Ducts

Male	3.14	2	NC*
Female	1.41	0	NC*
Total	4.56	2	NC*

Lung and Bronchus

Male	46.88	57	122
Female	39.03	38	97
Total	85.91	95	111

Oral Cavity and Pharynx

Male	9.44	8	85
Female	4.71	5	106
Total	14.15	13	92

Ovary

Female	11.14	8	72
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Pancreas

Male	5.83	9	154
Female	6.70	7	105
Total	12.52	16	128

Prostate

Male	88.25	89	101
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Stomach

Male	6.28	9	143
Female	4.18	4	NC*
Total	10.45	13	124

Testis

Male	3.58	5	140
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Thyroid

Male	1.88	2	NC*
Female	5.14	9	175
Total	7.02	11	157

Uteri, Corpus and Uterus, NOS

Female	18.11	20	110
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All Sites / Types

Male	294.91	320	109
Female	299.75	304	101
Total	594.66	624	105

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Millbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			

Male	8.34	7	84
Female	3.47	1	NC*
Total	11.80	8	68
<u>Brain and Other Central Nervous System</u>			
Male	2.60	3	NC*
Female	2.17	1	NC*
Total	4.77	4	NC*
<u>Breast</u>			
Male	0.53	0	NC*
Female	52.55	39	74
Total	53.08	39	73
<u>Cervix Uteri</u>			
Female	3.09	3	NC*
<u>Colon / Rectum</u>			
Male	20.88	25	120
Female	21.73	10	46 ~-
Total	42.61	35	82
<u>Esophagus</u>			
Male	2.97	5	168
Female	1.12	1	NC*
Total	4.09	6	147
<u>Hodgkin's Disease</u>			
Male	1.22	1	NC*
Female	1.03	2	NC*
Total	2.25	3	NC*
<u>Kidney and Renal Pelvis</u>			
Male	4.69	6	128
Female	3.13	6	192
Total	7.81	12	154
<u>Larynx</u>			
Male	2.70	1	NC*
Female	0.76	0	NC*
Total	3.47	1	NC*
<u>Leukemia</u>			
Male	3.53	4	NC*
Female	2.94	2	NC*
Total	6.46	6	93
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.74	0	NC*
Female	0.79	0	NC*
Total	2.53	0	NC*
<u>Lung and Bronchus</u>			
Male	26.24	30	114
Female	21.65	22	102
Total	47.89	52	109

Male	5.06	5	99
Female	4.10	4	NC*
Total	9.15	9	98
<u>Multiple Myeloma</u>			
Male	1.54	0	NC*
Female	1.50	0	NC*
Total	3.04	0	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	6.44	4	NC*
Female	6.20	5	81
Total	12.64	9	71
<u>Oral Cavity and Pharynx</u>			
Male	5.17	3	NC*
Female	2.63	6	228
Total	7.80	9	115
<u>Ovary</u>			
Female	6.14	7	114
<u>Pancreas</u>			
Male	3.26	2	NC*
Female	3.77	0	NC*
Total	7.04	2	NC*
<u>Prostate</u>			
Male	49.71	43	87
<u>Stomach</u>			
Male	3.51	4	NC*
Female	2.35	1	NC*
Total	5.86	5	85
<u>Testis</u>			
Male	1.82	1	NC*
<u>Thyroid</u>			
Male	0.99	2	NC*
Female	2.74	2	NC*
Total	3.73	4	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	10.07	13	129
<u>All Sites / Types</u>			
Male	164.13	154	94
Female	166.28	136	82 #-
Total	330.40	290	88 #-

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Millis

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	Exp	Obs	SIR		Exp	Obs	SIR
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.72	4	NC*	Male	2.61	3	NC*
Female	1.27	1	NC*	Female	1.96	6	307 #+
Total	4.98	5	100	Total	4.56	9	197
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.43	4	NC*	Male	0.72	1	NC*
Female	1.05	0	NC*	Female	0.61	1	NC*
Total	2.48	4	NC*	Total	1.32	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.25	0	NC*	Male	3.28	4	NC*
Female	24.08	27	112	Female	2.58	5	193
Total	24.33	27	111	Total	5.86	9	154
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.63	1	NC*	Male	2.73	1	NC*
				Female	1.13	0	NC*
				Total	3.86	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	9.43	9	95	Female	2.89	5	173
Female	7.91	10	126				
Total	17.34	19	110				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.46	1	NC*	Male	1.54	2	NC*
Female	0.40	3	NC*	Female	1.38	2	NC*
Total	1.86	4	NC*	Total	2.93	4	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.74	1	NC*	Male	23.68	23	97
Female	0.56	1	NC*				
Total	1.30	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.37	2	NC*	Male	1.61	2	NC*
Female	1.34	4	NC*	Female	0.85	1	NC*
Total	3.71	6	162	Total	2.46	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.38	1	NC*	Male	1.14	2	NC*
Female	0.35	0	NC*				
Total	1.73	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.79	2	NC*	Male	0.58	0	NC*
Female	1.29	0	NC*	Female	1.51	3	NC*
Total	3.08	2	NC*	Total	2.09	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.87	1	NC*				

Female	0.31	0	NC*
Total	1.18	1	NC*

Lung and Bronchus

Male	12.43	16	129
Female	9.15	11	120
Total	21.58	27	125

Female	4.58	4	NC*
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All Sites / Types

Male	79.19	88	111
Female	71.69	92	128 #+
Total	150.87	180	119 #+

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Millville

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.13	1	NC*	Male	0.84	1	NC*
Female	0.44	0	NC*	Female	0.69	1	NC*
Total	1.57	1	NC*	Total	1.53	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.48	1	NC*	Male	0.22	0	NC*
Female	0.37	0	NC*	Female	0.20	0	NC*
Total	0.85	1	NC*	Total	0.42	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.08	0	NC*	Male	1.06	1	NC*
Female	8.12	10	123	Female	0.90	0	NC*
Total	8.20	10	122	Total	1.97	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.58	0	NC*	Male	0.87	0	NC*
				Female	0.38	0	NC*
				Total	1.25	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.87	3	NC*	Female	0.99	1	NC*
Female	2.76	3	NC*				
Total	5.64	6	106				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.45	0	NC*	Male	0.47	0	NC*
Female	0.14	0	NC*	Female	0.48	0	NC*
Total	0.59	0	NC*	Total	0.96	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.27	0	NC*	Male	7.20	3	NC*
Female	0.22	0	NC*				
Total	0.49	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.75	0	NC*	Male	0.49	0	NC*
Female	0.46	0	NC*	Female	0.30	0	NC*

Total	1.21	0	NC*
<u>Larynx</u>			
Male	0.43	0	NC*
Female	0.11	0	NC*
Total	0.55	0	NC*

<u>Leukemia</u>			
Male	0.58	2	NC*
Female	0.47	1	NC*
Total	1.05	3	NC*

<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.27	1	NC*
Female	0.11	0	NC*
Total	0.38	1	NC*

<u>Lung and Bronchus</u>			
Male	3.81	5	131
Female	3.07	0	NC*
Total	6.88	5	73

Total	0.79	0	NC*
<u>Testis</u>			
Male	0.44	0	NC*

<u>Thyroid</u>			
Male	0.20	0	NC*
Female	0.55	1	NC*
Total	0.75	1	NC*

<u>Uteri, Corpus and Uterus, NOS</u>			
Female	1.51	1	NC*

<u>All Sites / Types</u>			
Male	24.66	18	73
Female	24.60	21	85
Total	49.25	39	79

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Milton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	19.27	18	93
Female	8.16	15	184 #+
Total	27.43	33	120

<u>Brain and Other Central Nervous System</u>			
Male	5.85	4	NC*
Female	4.97	7	141
Total	10.81	11	102

<u>Breast</u>			
Male	1.21	3	NC*
Female	121.99	146	120 #+
Total	123.19	149	121 #+

<u>Cervix Uteri</u>			
Female	6.89	4	NC*

<u>Colon / Rectum</u>			
Male	48.15	52	108
Female	51.18	44	86
Total	99.34	96	97

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	11.46	19	166
Female	9.35	14	150
Total	20.81	33	159 #+

<u>Multiple Myeloma</u>			
Male	3.57	2	NC*
Female	3.52	1	NC*
Total	7.09	3	NC*

<u>Non-Hodgkin's Lymphoma</u>			
Male	14.58	13	89
Female	14.43	17	118
Total	29.01	30	103

<u>Oral Cavity and Pharynx</u>			
Male	11.77	8	68
Female	6.13	6	98
Total	17.90	14	78

<u>Ovary</u>			
Female	14.18	15	106

Esophagus

Male	6.81	5	73
Female	2.65	0	NC*
Total	9.46	5	53

Hodgkin's Disease

Male	2.62	5	191
Female	2.24	1	NC*
Total	4.86	6	123

Kidney and Renal Pelvis

Male	10.74	8	75
Female	7.30	8	110
Total	18.04	16	89

Larynx

Male	6.18	7	113
Female	1.79	4	NC*
Total	7.97	11	138

Leukemia

Male	8.05	6	75
Female	6.80	5	74
Total	14.85	11	74

Liver and Intrahepatic Bile Ducts

Male	3.97	4	NC*
Female	1.85	1	NC*
Total	5.83	5	86

Lung and Bronchus

Male	60.35	48	80
Female	50.82	42	83
Total	111.17	90	81 #-

Pancreas

Male	7.49	6	80
Female	8.88	2	NC*
Total	16.38	8	49 #-

Prostate

Male	114.20	120	105
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Stomach

Male	8.08	3	NC*
Female	5.52	6	109
Total	13.60	9	66

Testis

Male	3.79	2	NC*
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Thyroid

Male	2.18	2	NC*
Female	6.03	9	149
Total	8.21	11	134

Uteri, Corpus and Uterus, NOS

Female	23.54	23	98
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All Sites / Types

Male	375.88	361	96
Female	387.10	398	103
Total	762.98	759	99

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [**Obs / Exp**] X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.01$ and $p \leq 0.05$ levels

Monroe**Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.14	0	NC*	Male	0.06	0	NC*
Female	0.03	0	NC*	Female	0.03	0	NC*
Total	0.17	0	NC*	Total	0.09	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.03	0	NC*	Male	0.02	0	NC*
Female	0.02	0	NC*	Female	0.01	0	NC*
Total	0.05	0	NC*	Total	0.04	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			

Male	0.01	0	NC*
Female	0.44	1	NC*
Total	0.45	1	NC*

Cervix Uteri

Female	0.02	0	NC*
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Colon / Rectum

Male	0.33	0	NC*
Female	0.22	0	NC*
Total	0.55	0	NC*

Esophagus

Male	0.04	0	NC*
Female	0.01	0	NC*
Total	0.05	0	NC*

Hodgkin's Disease

Male	0.01	0	NC*
Female	0.01	0	NC*
Total	0.02	0	NC*

Kidney and Renal Pelvis

Male	0.06	0	NC*
Female	0.03	0	NC*
Total	0.09	0	NC*

Larynx

Male	0.03	0	NC*
Female	0.01	0	NC*
Total	0.04	0	NC*

Leukemia

Male	0.05	0	NC*
Female	0.02	0	NC*
Total	0.07	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.02	0	NC*
Female	0.01	0	NC*
Total	0.03	0	NC*

Lung and Bronchus

Male	0.37	1	NC*
Female	0.20	0	NC*
Total	0.57	1	NC*

Male	0.08	0	NC*
Female	0.06	0	NC*
Total	0.14	0	NC*

Oral Cavity and Pharynx

Male	0.06	0	NC*
Female	0.02	0	NC*
Total	0.08	0	NC*

Ovary

Female	0.05	0	NC*
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Pancreas

Male	0.05	0	NC*
Female	0.04	0	NC*
Total	0.08	0	NC*

Prostate

Male	0.67	1	NC*
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Stomach

Male	0.05	0	NC*
Female	0.02	0	NC*
Total	0.08	0	NC*

Testis

Male	0.01	0	NC*
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Thyroid

Male	0.01	0	NC*
Female	0.02	0	NC*
Total	0.03	0	NC*

Uteri, Corpus and Uterus, NOS

Female	0.09	0	NC*
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All Sites / Types

Male	2.26	2	NC*
Female	1.48	1	NC*
Total	3.74	3	NC*

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [**Obs** / **Exp**) X 100]

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Monson

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	5.02	4	NC*
Female	1.75	0	NC*
Total	6.77	4	NC*
<u>Brain and Other Central Nervous System</u>			
Male	1.83	2	NC*
Female	1.34	1	NC*
Total	3.17	3	NC*
<u>Breast</u>			
Male	0.33	0	NC*
Female	32.01	28	87
Total	32.35	28	87
<u>Cervix Uteri</u>			
Female	2.05	5	244
<u>Colon / Rectum</u>			
Male	12.67	7	55
Female	10.95	8	73
Total	23.62	15	63
<u>Esophagus</u>			
Male	1.97	1	NC*
Female	0.56	0	NC*
Total	2.53	1	NC*
<u>Hodgkin's Disease</u>			
Male	0.89	2	NC*
Female	0.68	2	NC*
Total	1.57	4	NC*
<u>Kidney and Renal Pelvis</u>			
Male	3.19	2	NC*
Female	1.79	2	NC*
Total	4.98	4	NC*
<u>Larynx</u>			
Male	1.87	2	NC*
Female	0.47	1	NC*
Total	2.33	3	NC*
<u>Leukemia</u>			
Male	2.31	6	259
Female	1.69	2	NC*
Total	4.00	8	200
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.17	0	NC*
Female	0.42	1	NC*
Total	1.58	1	NC*
<u>Lung and Bronchus</u>			
Male	16.70	12	72
Female	12.29	24	195 ~+
Total	28.98	36	124

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	3.46	8	231
Female	2.54	4	NC*
Total	6.00	12	200 #+
<u>Multiple Myeloma</u>			
Male	0.98	0	NC*
Female	0.83	2	NC*
Total	1.81	2	NC*
<u>Non-Hodgkin's Lymphoma</u>			
Male	4.30	3	NC*
Female	3.45	3	NC*
Total	7.74	6	77
<u>Oral Cavity and Pharynx</u>			
Male	3.67	2	NC*
Female	1.52	1	NC*
Total	5.19	3	NC*
<u>Ovary</u>			
Female	3.80	2	NC*
<u>Pancreas</u>			
Male	2.07	2	NC*
Female	1.91	2	NC*
Total	3.98	4	NC*
<u>Prostate</u>			
Male	31.65	25	79
<u>Stomach</u>			
Male	2.16	0	NC*
Female	1.18	5	425 #+
Total	3.34	5	150
<u>Testis</u>			
Male	1.36	2	NC*
<u>Thyroid</u>			
Male	0.74	2	NC*
Female	1.86	2	NC*
Total	2.60	4	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	6.13	8	131
<u>All Sites / Types</u>			
Male	105.47	86	82
Female	95.80	113	118
Total	201.28	199	99

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Montague

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.93	9	152	Male	3.37	4	NC*
Female	2.35	1	NC*	Female	2.56	8	312 #+
Total	8.28	10	121	Total	5.93	12	202 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.69	1	NC*	Male	1.08	0	NC*
Female	1.42	0	NC*	Female	1.01	0	NC*
Total	3.11	1	NC*	Total	2.09	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.37	0	NC*	Male	4.32	2	NC*
Female	33.82	38	112	Female	4.14	6	145
Total	34.18	38	111	Total	8.47	8	94
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.85	2	NC*	Male	3.41	5	146
				Female	1.72	0	NC*
				Total	5.14	5	97
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.77	14	95	Female	3.93	4	NC*
Female	14.74	21	142				
Total	29.51	35	119				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.02	1	NC*	Male	2.26	2	NC*
Female	0.77	1	NC*	Female	2.58	5	194
Total	2.79	2	NC*	Total	4.84	7	145
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.74	0	NC*	Male	34.34	28	82
Female	0.62	1	NC*				
Total	1.36	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.17	3	NC*	Male	2.46	0	NC*
Female	2.10	2	NC*	Female	1.57	0	NC*
Total	5.28	5	95	Total	4.04	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.81	6	331 #+	Male	1.06	2	NC*
Female	0.51	0	NC*				
Total	2.32	6	258				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.40	2	NC*	Male	0.61	1	NC*
Female	1.93	2	NC*	Female	1.62	2	NC*

Total	4.33	4	NC*	Total	2.23	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.18	0	NC*	Female	6.58	16	243 ~+
Female	0.54	0	NC*				
Total	1.72	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	18.22	28	154 #+	Male	112.95	115	102
Female	14.82	13	88	Female	109.35	131	120 #+
Total	33.04	41	124	Total	222.30	246	111

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